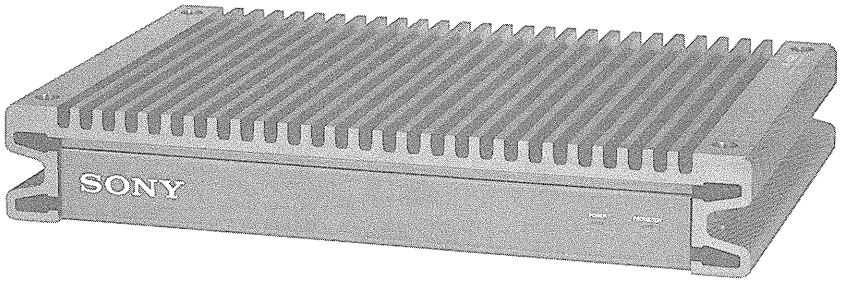
XM-5540

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



SPECIFICATIONS

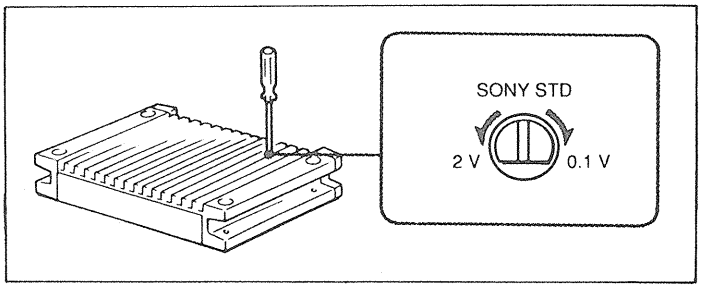
AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION 55 watts per channel minimum continuous average power into 4 ohms, both channels driven from 20–20,000 Hz with no more than 0.08% total harmonic distortion per Car Stereo Ad Hoc Committee standards.

Power supply system
Pulse power supply circuitry
Input — Car stereo input (phono jack)
Outputs — Speaker outputs
Speaker impedance
2–8 ohms
Maximum power output
4 ch: 100 watts × 4 at 4 ohms
3 ch: 100 watts × 2 + 200 watts at 4 ohms
2 ch: 200 watts × 2 at 4 ohms
Frequency response
8 Hz–100kHz $^{+0}_{-3}$ dB (4 ohms)
Harmonic distortion
0.005%
Input level adjustment range
0.1–2 V
Power requirements
12 V DC car battery (negative ground)
Current drain 36 A (at rated output)
Input remote current
5mA
Dimensions
Approx. 360 × 57 × 240 mm (w/h/d)
(14 1/4 × 2 1/4 × 9 1/2 inches)
Weight — Approx. 5 kg (11lb.)
Accessories supplied
Mounting hardware (1 set)

Design and specifications subject to change without notice.

Level Adjustment Control

The input level can be varied with this control. Use it to adjust the input sound level when using source equipment of other manufacturers. Be sure to set the control to SONY STD if the unit is connected to a SONY car stereo. Turn it to 0.1 V when the input level of the cassette car stereo or CD player seems low.



使用時は添付資料も参照のこと
Refer to the additional documents.

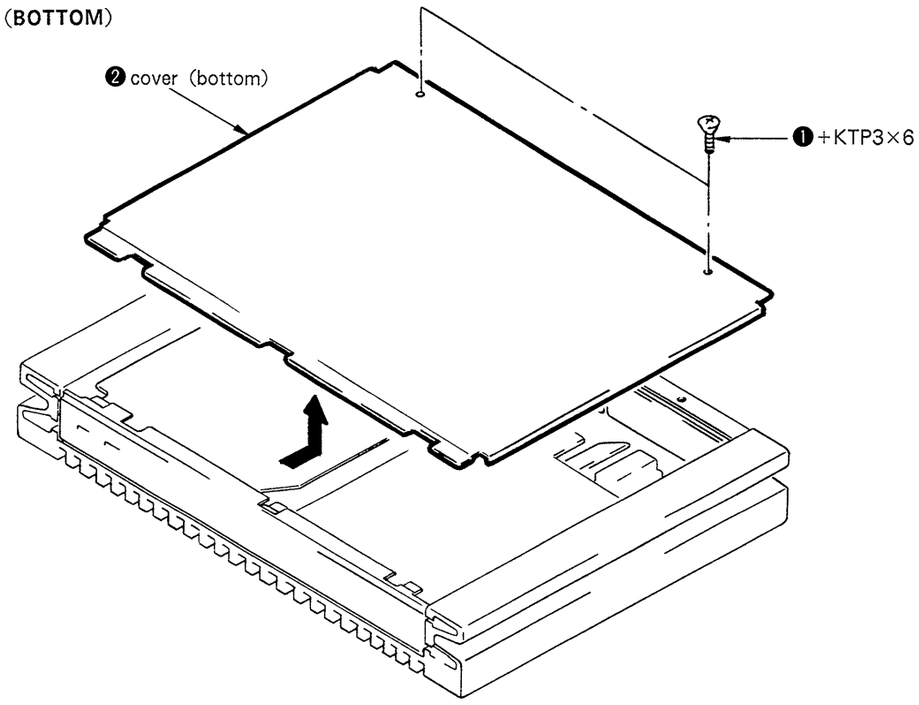
STEREO POWER AMPLIFIER

SONY®

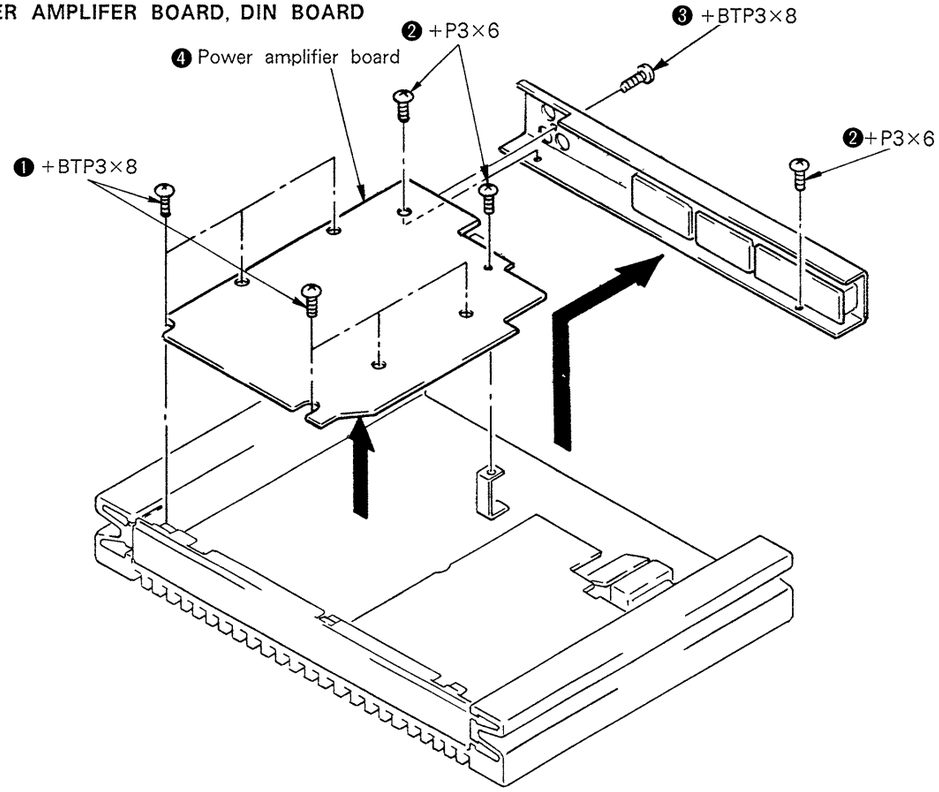
SECTION 1
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

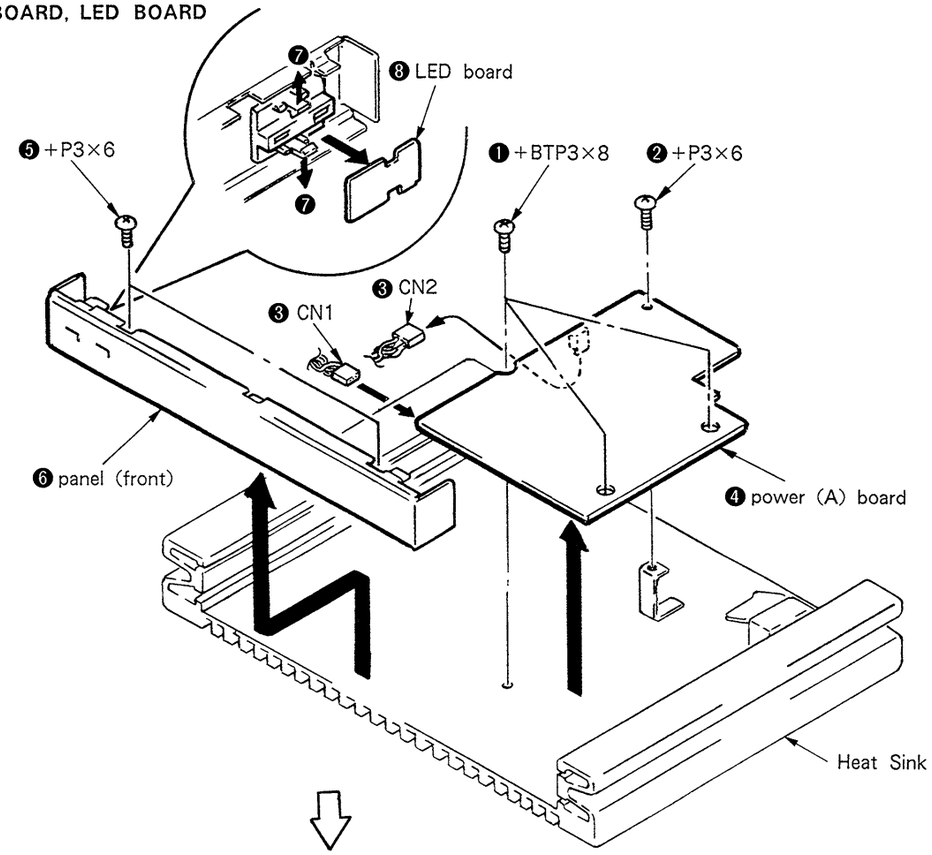
COVER (BOTTOM)



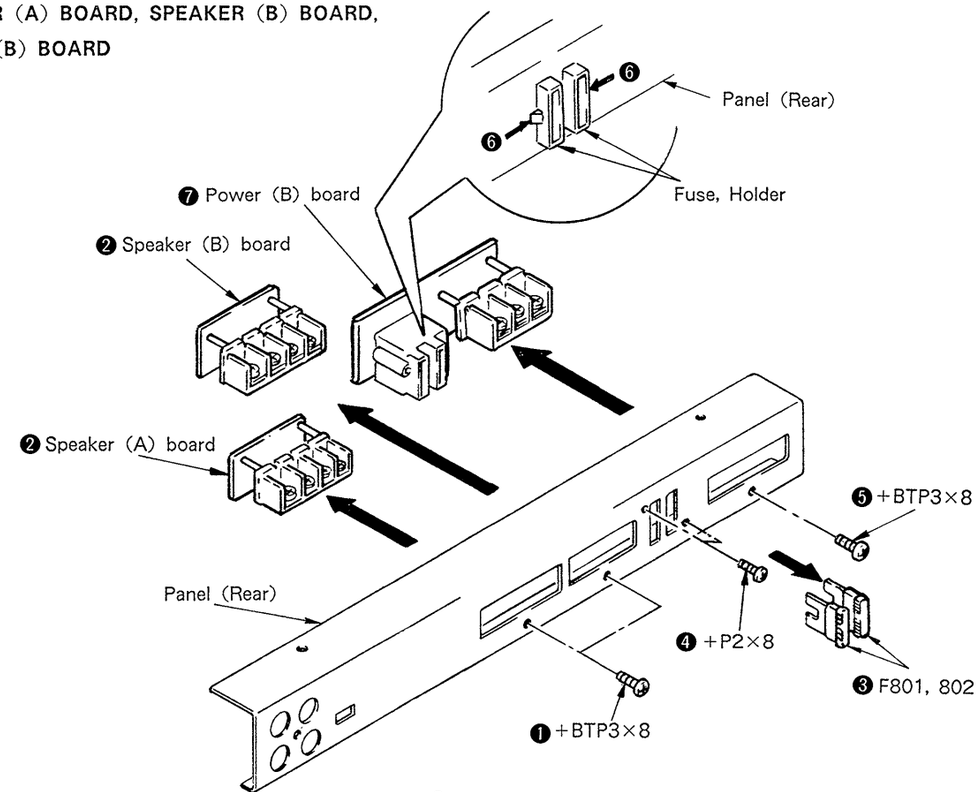
POWER AMPLIFER BOARD, DIN BOARD



POWER (A) BOARD, LED BOARD



SPEAKER (A) BOARD, SPEAKER (B) BOARD, POWER (B) BOARD



SECTION 2
DIAGRAMS

Semiconductors Lead Layout

M5F78M15

2SB631KE

CTG-33S

RC79M15FA

2SB740
2SC2655

CTG-33R

μPC1298V

2SC2021
2SD1055

D6A2
RD33EL2

DTA124ES

2SC2785-HFE

GL8PG24
SLP151B-60

2SA1232
2SC3012

2SK736

RD18ESB2
RD24ESB3
RD6.8ESB2
1SS120

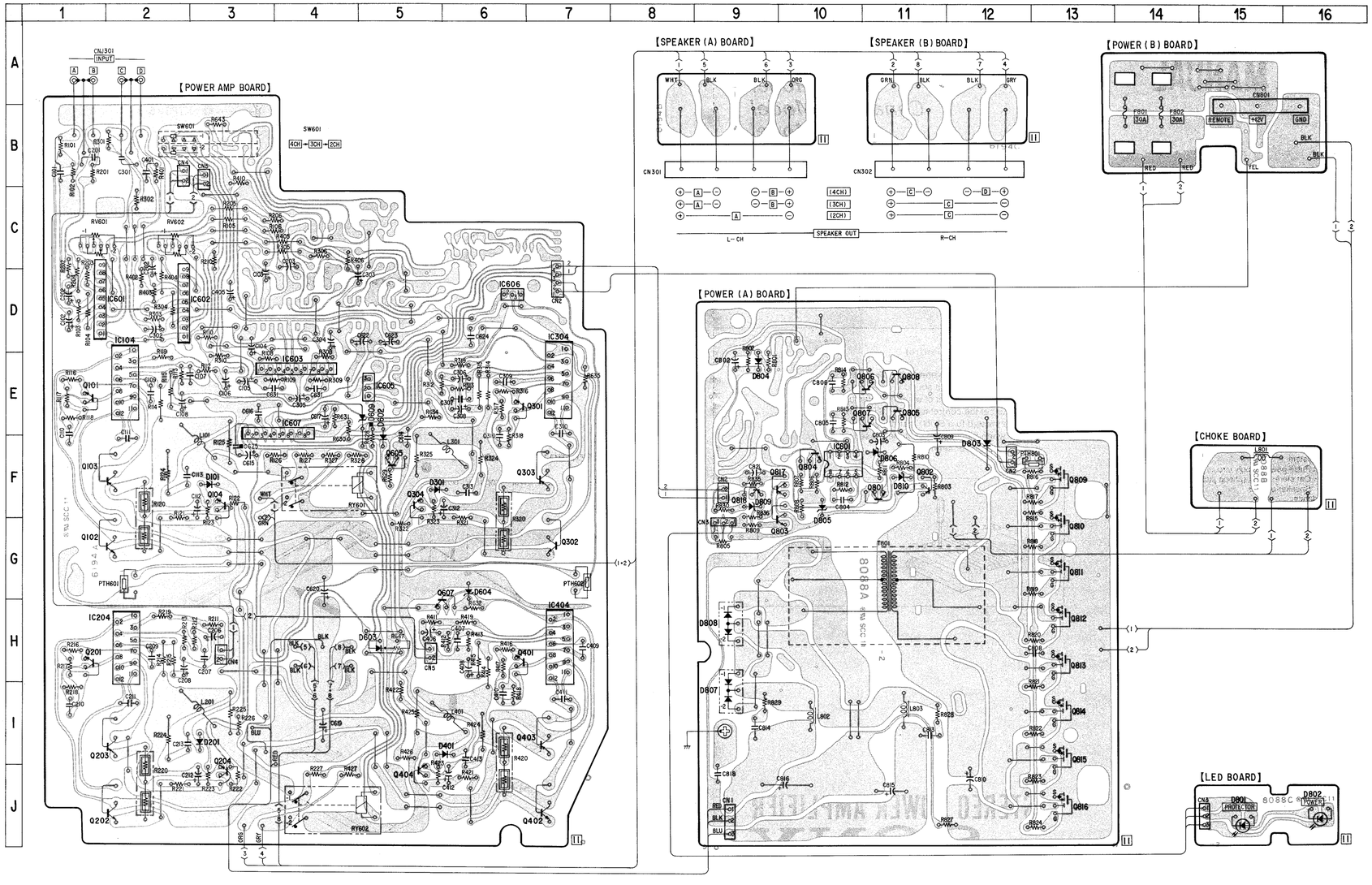
• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
IC104	E-2	Q806	E-10
IC204	H-2	Q807	E-10
IC304	E-7	Q808	E-11
IC404	H-7	Q809	F-13
IC601	D-1	Q810	G-13
IC602	D-2	Q811	G-13
IC603	E-4	Q812	H-13
IC605	E-5	Q813	H-13
IC606	D-6	Q814	I-13
IC607	E-4	Q815	I-13
IC801	F-10	Q816	J-13
		Q817	F-9
Q101	E-1	Q818	F-9
Q102	G-1		
Q103	F-1	D101	F-3
Q104	F-3	D201	I-3
Q201	H-1	D301	F-5
Q202	J-1	D401	I-5
Q203	I-1	D602	E-5
Q204	I-3	D603	H-5
Q301	E-6	D604	G-6
Q302	G-7	D609	E-5
Q303	F-7	D801	J-15
Q304	F-5	D802	J-16
Q401	H-6	D803	F-12
Q402	J-7	D804	E-9
Q403	I-7	D805	F-10
Q404	J-5	D806	F-11
Q605	F-5	D807	I-9
Q607	G-5	D808	H-9
Q801	F-11	D809	F-9
Q802	F-11	D810	F-11
Q803	F-9		
Q804	F-10		
Q805	E-11		

Note :

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ▒▒ : Pattern on the side which is seen.

2-1. PRINTED WIRING BOARD



【POWER AMPLIFIER BOARD】

【POWER (A) BOARD】

【POWER (B) BOARD】

【CHOKE BOARD】

【LED BOARD】

【SPEAKER (A) BOARD】

【SPEAKER (B) BOARD】

IC601 PRE AMP

IC602 PRE AMP

IC603 BUFFER

IC605 NJM78M15A REG

IC606 NJM7805A REG

IC607 μPC1237 PROTECTOR

IC801 MN3102 CLOCK

IC204

IC404

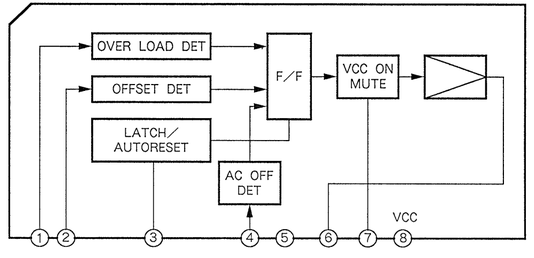
SAME AS ABOVE

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : nonflammable resistor.
- B+ : B+ Line
- B− : B− Line
- Power voltage is dc 14.4V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- no mark : 4CH
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : A CH (L)
  - : B CH (R)

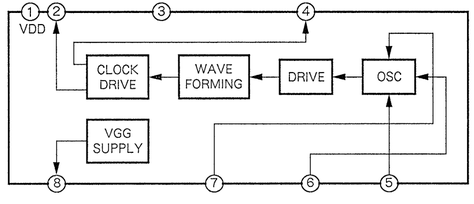
IC607

μPC1237HA



IC801

MN3102

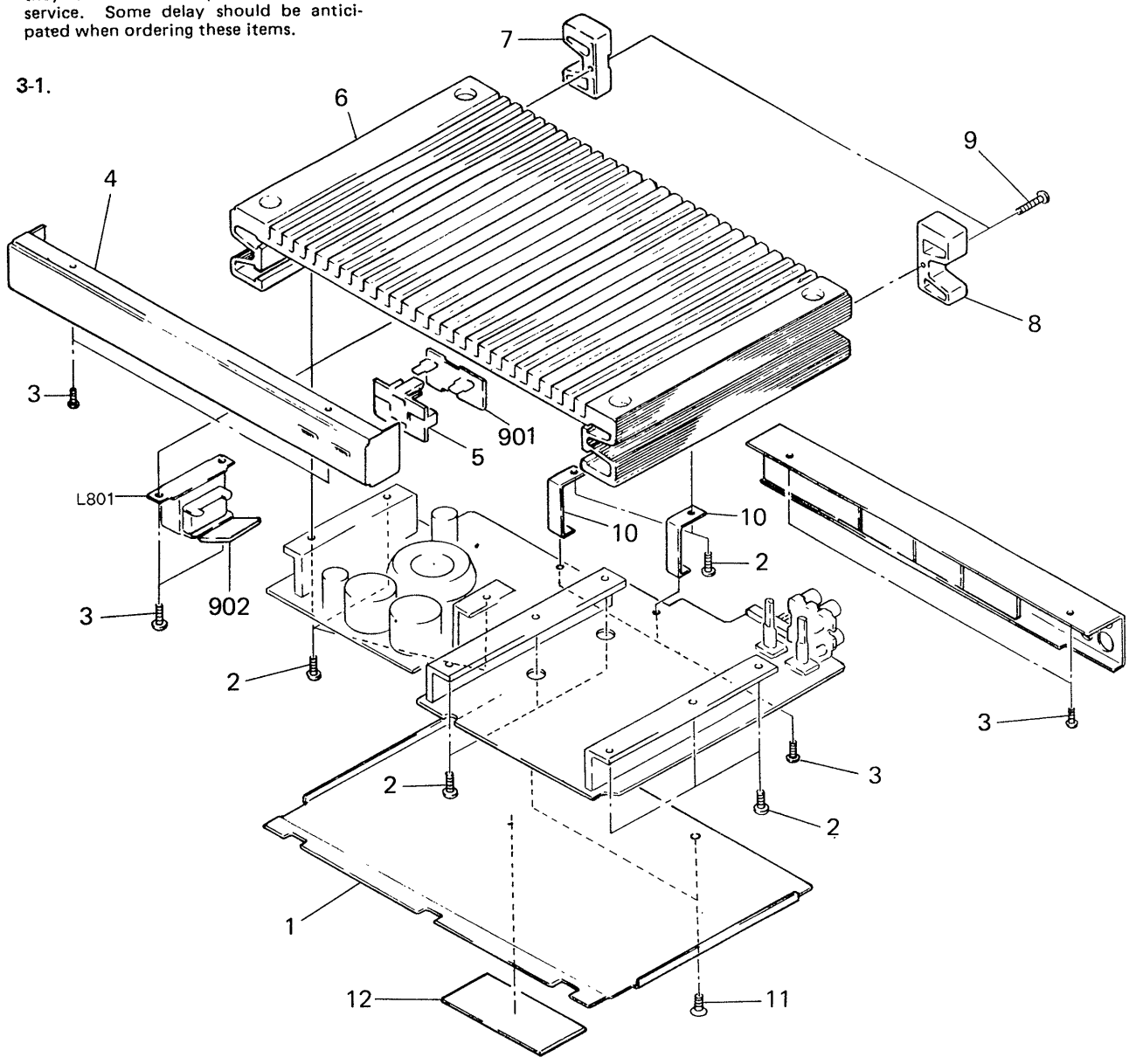


SECTION 3
EXPLODED VIEWS

NOTE:

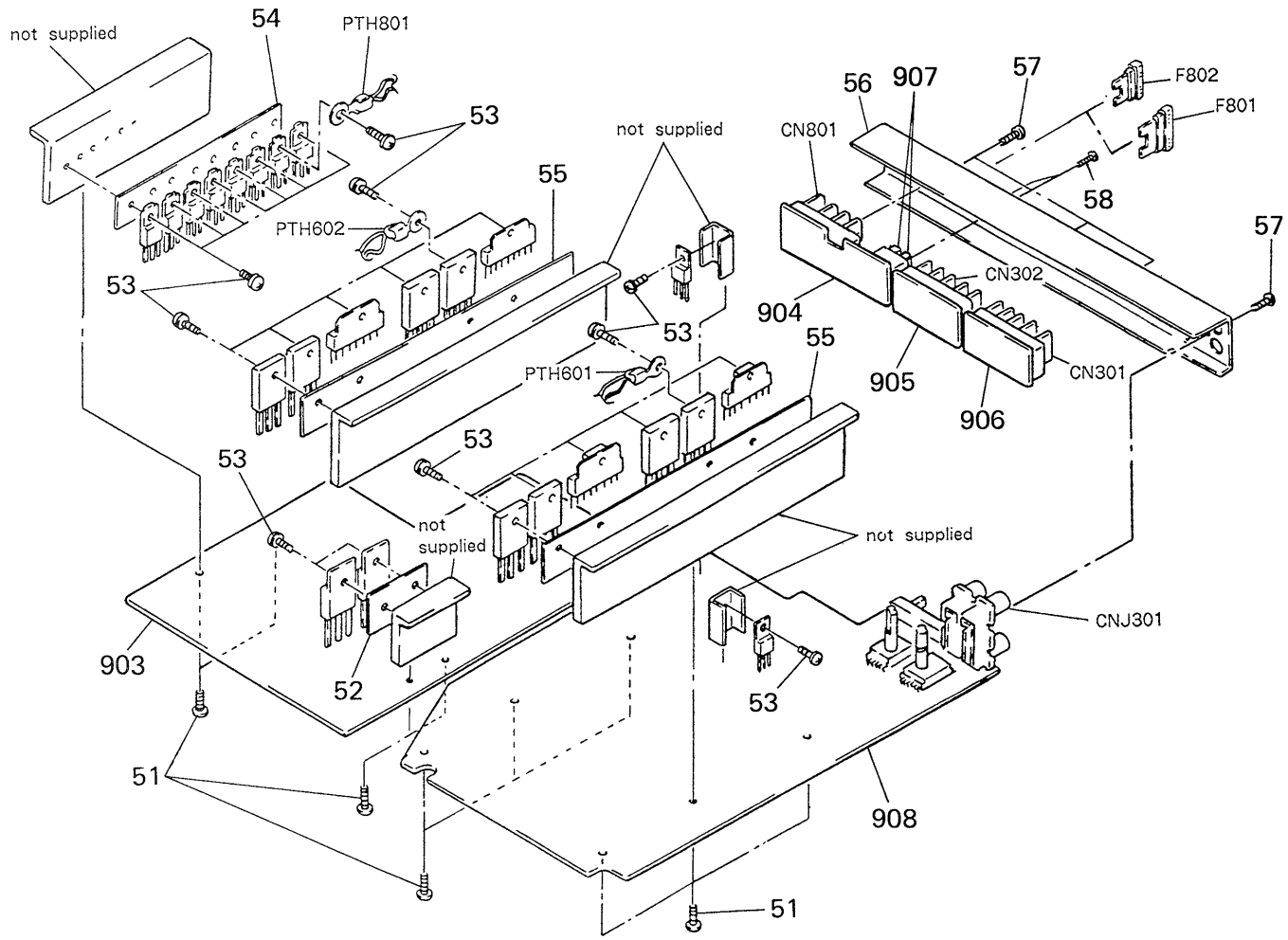
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

3-1.



No.	Part No.	Description	Remarks
1	*3-396-143-01	COVER (BOTTOM)	
2	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
3	7-685-645-79	SCREW +P 3X6 TYPE2 SLIT	
4	3-396-137-01	(AEP,E).....PANEL (FRONT)	
	3-396-137-11	(US,Canadian)...PANEL (FRONT)	
5	3-396-126-01	HOLDER (LED)	
6	*3-396-138-01	HEAT SINK	
7	*3-396-146-01	PROTECTOR (L)	
8	*3-396-147-01	PROTECTOR (R)	
9	7-685-550-19	SCREW +BTP 3X16 TYPE2 N-S	
10	*3-396-128-01	BRACKET	
11	7-685-245-19	SCREW +KTP 3X6 TYPE2 SLIT	
12	*3-395-811-01	(US,AEP,E)...LABEL, MODEL NUMBER	
	*3-395-814-01	(Canadian)...LABEL, MODEL NUMBER	
901	*1-632-605-11	PC BOARD, LED	
902	*1-632-604-11	PC BOARD, CHOKE	
L801	1-424-324-11	COIL, CHOKE 0.4MMH	

3-2.



No.	Part No.	Description	Remarks
51	7-682-648-09	SCREW +PSW 3X8	
52	3-396-125-01	SHEET (C), INSULATING	
53	7-682-649-09	SCREW +PSW 3X10	
54	3-396-144-01	SHEET (D), INSULATING	
55	3-396-140-01	SHEET (E), INSULATING	
56	*3-396-142-01	PANEL (REAR)	
57	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
58	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
903	*A-3271-471-A	MOUNTED PCB, POWER (A)	
904	*1-632-606-11	PC BOARD, POWER (B)	
905	1-632-609-11	PC BOARD, SPEAKER (B)	
906	*1-632-609-11	PC BOARD, SPEAKER (A)	

No.	Part No.	Description	Remarks
907	1-533-226-11	HOLDER, FUSE (BRAID)	
908	*A-3261-093-A	MOUNTED PCB, AMPLIFIER, POWER	
CN301	1-537-252-11	TERMINAL BOARD (4P)(SPEAKER OUT L)	
CN302	1-537-252-11	TERMINAL BOARD (4P)(SPEAKER OUT R)	
CN801	1-537-251-11	TERMINAL BOARD (3P)(REM,+12V,GND)	
CNJ301	1-569-266-11	JACK, PIN 4P (INPUT)	
F801	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)	
F802	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)	
PTH601	1-800-427-00	POSISTOR	
PTH602	1-800-427-00	POSISTOR	
PTH801	1-800-427-00	POSISTOR	

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA.... μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

Ref.No.	Part No.	Description			
901	*1-632-605-11	PC BOARD, LED			
902	*1-632-604-11	PC BOARD, CHOKE			
903	*A-3271-471-A	MOUNTED PCB, POWER (A)			
904	*1-632-606-11	PC BOARD, POWER (B)			
905	1-632-609-11	PC BOARD, SPEAKER (B)			
906	*1-632-609-11	PC BOARD, SPEAKER (A)			
907	1-533-226-11	HOLDER, FUSE (BRAID)			
908	*A-3261-093-A	MOUNTED PCB, AMPLIFIER, POWER			
C101	1-102-978-00	CERAMIC	220PF	5%	50V
C102	1-124-791-11	ELECT	1MF	20%	50V
C103	1-126-096-11	ELECT	10MF	20%	35V
C104	1-126-096-11	ELECT	10MF	20%	35V
C105	1-126-096-11	ELECT	10MF	20%	35V
C106	1-126-096-11	ELECT	10MF	20%	35V
C107	1-102-973-00	CERAMIC	100PF	5%	50V
C108	1-126-101-11	ELECT	100MF	20%	10V
C109	1-102-951-00	CERAMIC	15PF	5%	50V
C110	1-102-978-00	CERAMIC	220PF	5%	50V
C111	1-130-493-00	FILM	0.068MF	5%	50V
C112	1-124-257-00	ELECT	2.2MF	5%	50V
C113	1-130-489-00	FILM	0.033MF	5%	50V
C201	1-102-978-00	CERAMIC	220PF	5%	50V
C202	1-124-791-11	ELECT	1MF	20%	50V
C203	1-126-096-11	ELECT	10MF	20%	35V
C206	1-126-096-11	ELECT	10MF	20%	35V
C207	1-102-973-00	CERAMIC	100PF	5%	50V
C208	1-126-101-11	ELECT	100MF	20%	10V
C209	1-102-951-00	CERAMIC	15PF	5%	50V
C210	1-102-978-00	CERAMIC	220PF	5%	50V
C211	1-130-493-00	FILM	0.068MF	5%	50V
C212	1-124-257-00	ELECT	2.2MF	5%	50V
C213	1-130-489-00	FILM	0.033MF	5%	50V
C301	1-102-978-00	CERAMIC	220PF	5%	50V
C302	1-124-791-11	ELECT	1MF	20%	50V
C303	1-126-096-11	ELECT	10MF	20%	35V
C304	1-126-096-11	ELECT	10MF	20%	35V
C305	1-126-096-11	ELECT	10MF	20%	35V
C306	1-126-096-11	ELECT	10MF	20%	35V
C307	1-102-973-00	CERAMIC	100PF	5%	50V
C308	1-126-101-11	ELECT	100MF	20%	10V
C309	1-102-951-00	CERAMIC	15PF	5%	50V
C310	1-102-978-00	CERAMIC	220PF	5%	50V
C311	1-130-493-00	FILM	0.068MF	5%	50V
C312	1-124-257-00	ELECT	2.2MF	5%	50V
C313	1-130-489-00	FILM	0.033MF	5%	50V
C401	1-102-978-00	CERAMIC	220PF	5%	50V
C402	1-124-791-11	ELECT	1MF	20%	50V

Ref.No.	Part No.	Description			
C405	1-126-096-11	ELECT	10MF	20%	35V
C406	1-126-096-11	ELECT	10MF	20%	35V
C407	1-102-973-00	CERAMIC	100PF	5%	50V
C408	1-126-101-11	ELECT	100MF	20%	10V
C409	1-102-951-00	CERAMIC	15PF	5%	50V
C410	1-102-978-00	CERAMIC	220PF	5%	50V
C411	1-130-493-00	FILM	0.068MF	5%	50V
C412	1-124-257-00	ELECT	2.2MF	5%	50V
C413	1-130-489-00	FILM	0.033MF	5%	50V
C614	1-136-366-00	FILM	0.1MF	5%	50V
C615	1-124-225-00	ELECT	100MF	20%	6.3V
C616	1-102-129-00	CERAMIC	0.01MF	10%	50V
C617	1-124-446-11	ELECT	47MF	20%	10V
C619	1-126-995-11	ELECT	3300MF	20%	50V
C620	1-126-995-11	ELECT	3300MF	20%	50V
C622	1-124-126-00	ELECT	47MF	20%	16V
C623	1-124-126-00	ELECT	47MF	20%	16V
C624	1-102-129-00	CERAMIC	0.01MF	10%	50V
C625	1-102-074-00	CERAMIC	0.001MF	10%	50V
C630	1-102-951-00	CERAMIC	15PF	5%	50V
C631	1-102-951-00	CERAMIC	15PF	5%	50V
C802	1-102-129-00	CERAMIC	0.01MF	10%	50V
C803	1-124-126-00	ELECT	47MF	20%	16V
C804	1-136-367-11	FILM	470PF	5%	50V
C805	1-130-493-00	FILM	0.068MF	5%	50V
C806	1-130-493-00	FILM	0.068MF	5%	50V
C808	1-136-366-00	FILM	0.1MF	5%	50V
C809	1-126-993-11	ELECT	3900MF	20%	16V
C810	1-126-993-11	ELECT	3900MF	20%	16V
C813	1-102-820-00	CERAMIC	330PF	5%	50V
C814	1-102-820-00	CERAMIC	330PF	5%	50V
C815	1-126-994-11	ELECT	6800MF	20%	42V
C816	1-126-994-11	ELECT	6800MF	20%	42V
C818	1-130-473-00	FILM	0.0015MF	5%	50V
C821	1-124-126-00	ELECT	47MF	20%	16V
CN301	1-537-252-11	TERMINAL BOARD (4P)(SPEAKER OUT L)			
CN302	1-537-252-11	TERMINAL BOARD (4P)(SPEAKER OUT R)			
CN801	1-537-251-11	TERMINAL BOARD (3P)(REM,+12V,GND)			
CNJ301	1-569-266-11	JACK, PIN 4P (INPUT)			
D101	8-719-912-20	DIODE 1SS120			
D201	8-719-912-20	DIODE 1SS120			
D301	8-719-912-20	DIODE 1SS120			
D401	8-719-912-20	DIODE 1SS120			
D602	8-719-912-20	DIODE 1SS120			
D603	8-719-912-20	DIODE 1SS120			
D604	8-719-110-63	DIODE RD24ESB3			

Ref.No.	Part No.	Description
D609	8-719-102-30	DIODE RD33EL2
D801	8-719-938-11	DIODE SLP151B-60 (PROTECTOR)
D802	8-719-979-90	DIODE GL8PG24 (POWER)
D803	8-719-981-30	DIODE D6A2
D804	8-719-912-20	DIODE 1SS120
D805	8-719-110-49	DIODE RD18ESB2
D806	8-719-109-97	DIODE RD6.8ESB2
D807	8-719-301-27	DIODE CTG-33S
D808	8-719-301-26	DIODE CTG-33R
D809	8-719-109-97	DIODE RD6.8ESB2
D810	8-719-109-97	DIODE RD6.8ESB2
F801	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)
F802	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE)
IC104	8-759-109-06	IC UPC1298V
IC204	8-759-109-06	IC UPC1298V
IC304	8-759-109-06	IC UPC1298V
IC404	8-759-109-06	IC UPC1298V
IC601	8-759-701-25	IC NJM2068D-D
IC602	8-759-701-25	IC NJM2068D-D
IC603	8-759-701-25	IC NJM2068D-D
IC605	8-759-604-40	IC M5F78M15
IC606	8-759-982-58	IC RC79M15FA
IC607	8-759-111-68	IC UPC1237HA
IC801	1-806-944-11	IC MN3102
L101	*1-428-101-11	COIL, AIR-CORE
L201	*1-428-101-11	COIL, AIR-CORE
L301	*1-428-101-11	COIL, AIR-CORE
L401	*1-428-101-11	COIL, AIR-CORE
L801	1-424-324-11	COIL, CHOKE 0.4MMH
L802	1-424-325-11	COIL, CHOKE 64UH
L803	1-424-325-11	COIL, CHOKE 64UH
PTH601	1-800-427-00	POSISTOR
PTH602	1-800-427-00	POSISTOR
PTH801	1-800-427-00	POSISTOR
Q101	8-729-902-11	TRANSISTOR 2SC2021
Q102	8-729-102-57	TRANSISTOR 2SC3012
Q103	8-729-102-47	TRANSISTOR 2SA1232
Q104	8-729-178-43	TRANSISTOR 2SC2784
Q201	8-729-902-11	TRANSISTOR 2SC2021
Q202	8-729-102-57	TRANSISTOR 2SC3012
Q203	8-729-102-47	TRANSISTOR 2SA1232
Q204	8-729-178-43	TRANSISTOR 2SC2784
Q301	8-729-902-11	TRANSISTOR 2SC2021
Q302	8-729-102-57	TRANSISTOR 2SC3012
Q303	8-729-102-47	TRANSISTOR 2SA1232
Q304	8-729-178-43	TRANSISTOR 2SC2784
Q401	8-729-902-11	TRANSISTOR 2SC2021
Q402	8-729-102-57	TRANSISTOR 2SC3012
Q403	8-729-102-47	TRANSISTOR 2SA1232
Q404	8-729-178-43	TRANSISTOR 2SC2784
Q605	8-729-900-63	TRANSISTOR DTA124ES
Q607	8-729-905-52	TRANSISTOR 2SD1055
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q802	8-729-822-58	TRANSISTOR 2SB631KE
Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q805	8-729-265-52	TRANSISTOR 2SC2655
Q806	8-729-374-02	TRANSISTOR 2SB740
Q807	8-729-374-02	TRANSISTOR 2SB740
Q808	8-729-265-52	TRANSISTOR 2SC2655
Q809	8-729-143-92	TRANSISTOR 2SK736
Q810	8-729-143-92	TRANSISTOR 2SK736
Q811	8-729-143-92	TRANSISTOR 2SK736
Q812	8-729-143-92	TRANSISTOR 2SK736
Q813	8-729-143-92	TRANSISTOR 2SK736
Q814	8-729-143-92	TRANSISTOR 2SK736
Q815	8-729-143-92	TRANSISTOR 2SK736
Q816	8-729-143-92	TRANSISTOR 2SK736
Q817	8-729-900-63	TRANSISTOR DTA124ES
Q818	8-729-900-63	TRANSISTOR DTA124ES
R101	1-249-417-11	CARBON 1K 5% 1/4W
R102	1-249-429-11	CARBON 10K 5% 1/4W
R103	1-249-441-11	CARBON 100K 5% 1/4W
R104	1-249-414-11	CARBON 560 5% 1/4W
R105	1-249-429-11	CARBON 10K 5% 1/4W
R106	1-249-424-11	CARBON 3.9K 5% 1/4W
R108	1-249-437-11	CARBON 47K 5% 1/4W
R109	1-249-437-11	CARBON 47K 5% 1/4W
R110	1-249-441-11	CARBON 100K 5% 1/4W
R111	1-249-441-11	CARBON 100K 5% 1/4W
R112	1-249-417-11	CARBON 1K 5% 1/4W
R113	1-249-433-11	CARBON 22K 5% 1/4W
R114	1-249-433-11	CARBON 22K 5% 1/4W
R115	1-249-414-11	CARBON 560 5% 1/4W
R116	1-249-403-11	CARBON 68 5% 1/4W
R117	1-249-417-11	CARBON 1K 5% 1/4W
R118	1-249-420-11	CARBON 1.8K 5% 1/4W
R119	1-249-431-11	CARBON 15K 5% 1/4W
R120	1-219-128-11	RES, METAL PLATE 0.15X2
R121	1-249-438-11	CARBON 56K 5% 1/4W
R122	1-249-429-11	CARBON 10K 5% 1/4W
R123	1-249-438-11	CARBON 56K 5% 1/4W
R124	1-249-393-11	CARBON 10 5% 1/4W
R125	1-249-393-11	CARBON 10 5% 1/4W
R126	1-247-887-00	CARBON 220K 5% 1/4W
R127	1-247-887-00	CARBON 220K 5% 1/4W
R201	1-249-417-11	CARBON 1K 5% 1/4W
R202	1-249-429-11	CARBON 10K 5% 1/4W
R203	1-249-441-11	CARBON 100K 5% 1/4W
R204	1-249-414-11	CARBON 560 5% 1/4W
R205	1-249-429-11	CARBON 10K 5% 1/4W
R206	1-249-424-11	CARBON 3.9K 5% 1/4W
R210	1-249-441-11	CARBON 100K 5% 1/4W
R211	1-249-441-11	CARBON 100K 5% 1/4W
R212	1-249-417-11	CARBON 1K 5% 1/4W
R213	1-249-433-11	CARBON 22K 5% 1/4W
R214	1-249-433-11	CARBON 22K 5% 1/4W
R215	1-249-414-11	CARBON 560 5% 1/4W
R216	1-249-403-11	CARBON 68 5% 1/4W
R217	1-249-417-11	CARBON 1K 5% 1/4W
R218	1-249-420-11	CARBON 1.8K 5% 1/4W
R219	1-249-431-11	CARBON 15K 5% 1/4W
R220	1-219-128-11	RES, METAL PLATE 0.15X2
R221	1-249-438-11	CARBON 56K 5% 1/4W
R222	1-249-429-11	CARBON 10K 5% 1/4W

Ref.No.	Part No.	Description			
R223	1-249-438-11	CARBON	56K	5%	1/4W
R224	1-249-393-11	CARBON	10	5%	1/4W
R225	1-249-393-11	CARBON	10	5%	1/4W
R226	1-247-887-00	CARBON	220K	5%	1/4W
R227	1-247-887-00	CARBON	220K	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-429-11	CARBON	10K	5%	1/4W
R303	1-249-441-11	CARBON	100K	5%	1/4W
R304	1-249-414-11	CARBON	560	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-424-11	CARBON	3.9K	5%	1/4W
R308	1-249-437-11	CARBON	47K	5%	1/4W
R309	1-249-437-11	CARBON	47K	5%	1/4W
R310	1-249-441-11	CARBON	100K	5%	1/4W
R311	1-249-441-11	CARBON	100K	5%	1/4W
R312	1-249-417-11	CARBON	1K	5%	1/4W
R313	1-249-433-11	CARBON	22K	5%	1/4W
R314	1-249-433-11	CARBON	22K	5%	1/4W
R315	1-249-414-11	CARBON	560	5%	1/4W
R316	1-249-403-11	CARBON	68	5%	1/4W
R317	1-249-417-11	CARBON	1K	5%	1/4W
R318	1-249-420-11	CARBON	1.8K	5%	1/4W
R319	1-249-431-11	CARBON	15K	5%	1/4W
R320	1-219-128-11	RES, METAL PLATE 0.15X2			
R321	1-249-426-11	CARBON	5.6K	5%	1/4W
R322	1-249-429-11	CARBON	10K	5%	1/4W
R323	1-249-438-11	CARBON	56K	5%	1/4W
R324	1-249-393-11	CARBON	10	5%	1/4W
R325	1-249-393-11	CARBON	10	5%	1/4W
R326	1-247-887-00	CARBON	220K	5%	1/4W
R327	1-247-887-00	CARBON	220K	5%	1/4W
R401	1-249-417-11	CARBON	1K	5%	1/4W
R402	1-249-429-11	CARBON	10K	5%	1/4W
R403	1-249-441-11	CARBON	100K	5%	1/4W
R404	1-249-414-11	CARBON	560	5%	1/4W
R405	1-249-429-11	CARBON	10K	5%	1/4W
R406	1-249-424-11	CARBON	3.9K	5%	1/4W
R410	1-249-441-11	CARBON	100K	5%	1/4W
R411	1-249-441-11	CARBON	100K	5%	1/4W
R412	1-249-417-11	CARBON	1K	5%	1/4W
R413	1-249-433-11	CARBON	22K	5%	1/4W
R414	1-249-433-11	CARBON	22K	5%	1/4W
R415	1-249-414-11	CARBON	560	5%	1/4W
R416	1-249-403-11	CARBON	68	5%	1/4W
R417	1-249-417-11	CARBON	1K	5%	1/4W
R418	1-249-420-11	CARBON	1.8K	5%	1/4W
R419	1-249-431-11	CARBON	15K	5%	1/4W
R420	1-219-128-11	RES, METAL PLATE 0.15X2			
R421	1-249-426-11	CARBON	5.6K	5%	1/4W
R422	1-249-429-11	CARBON	10K	5%	1/4W
R423	1-249-438-11	CARBON	56K	5%	1/4W
R424	1-249-393-11	CARBON	10	5%	1/4W
R425	1-249-393-11	CARBON	10	5%	1/4W
R426	1-247-887-00	CARBON	220K	5%	1/4W
R427	1-247-887-00	CARBON	220K	5%	1/4W
R628	1-249-437-11	CARBON	47K	5%	1/4W
R629	1-249-437-11	CARBON	47K	5%	1/4W
R630	1-249-429-11	CARBON	10K	5%	1/4W

Ref.No.	Part No.	Description			
R631	1-249-437-11	CARBON	47K	5%	1/4W
R632	1-249-417-11	CARBON	1K	5%	1/4W
R634	1-249-393-11	CARBON	10	5%	1/4W
R635	1-249-393-11	CARBON	10	5%	1/4W
R647	1-249-420-11	CARBON	1.8K	5%	1/4W
R801	1-249-423-11	CARBON	3.3K	5%	1/4W
R802	1-249-421-11	CARBON	2.2K	5%	1/4W
R803	1-249-417-11	CARBON	1K	5%	1/4W
R804	1-249-417-11	CARBON	1K	5%	1/4W
R805	1-249-419-11	CARBON	1.5K	5%	1/4W
R806	1-249-425-11	CARBON	4.7K	5%	1/4W
R807	1-249-429-11	CARBON	10K	5%	1/4W
R808	1-249-417-11	CARBON	1K	5%	1/4W
R809	1-249-421-11	CARBON	2.2K	5%	1/4W
R810	1-249-410-11	CARBON	270	5%	1/4W
R811	1-249-417-11	CARBON	1K	5%	1/4W
R812	1-249-432-11	CARBON	18K	5%	1/4W
R813	1-249-426-11	CARBON	5.6K	5%	1/4W
R814	1-249-426-11	CARBON	5.6K	5%	1/4W
R815	1-249-417-11	CARBON	1K	5%	1/4W
R816	1-249-417-11	CARBON	1K	5%	1/4W
R817	1-249-393-11	CARBON	10	5%	1/4W
R818	1-249-393-11	CARBON	10	5%	1/4W
R819	1-249-393-11	CARBON	10	5%	1/4W
R820	1-249-393-11	CARBON	10	5%	1/4W
R821	1-249-393-11	CARBON	10	5%	1/4W
R822	1-249-393-11	CARBON	10	5%	1/4W
R823	1-249-393-11	CARBON	10	5%	1/4W
R824	1-249-393-11	CARBON	10	5%	1/4W
R827	1-249-421-11	CARBON	2.2K	5%	1/4W
R828	1-249-405-11	CARBON	100	5%	1/4W
R829	1-249-405-11	CARBON	100	5%	1/4W
R830	1-249-423-11	CARBON	3.3K	5%	1/4W
R835	1-249-429-11	CARBON	10K	5%	1/4W
R836	1-249-421-11	CARBON	2.2K	5%	1/4W
RV601	1-238-826-11	RES, VAR, CARBON 10K (SONY STD)			
RV602	1-238-826-11	RES, VAR, CARBON 10K (SONY STD)			
RY601	1-515-774-11	RELAY			
RY602	1-515-774-11	RELAY			
SW301	1-572-208-11	SWITCH, SLIDE (4CH/3CH/2CH)			
T801	1-449-919-11	TRANSFORMER, POWER (DC-DC CONVERTER)			

ACCESSORY & PACKING MATERIAL

3-395-839-12	SCREW (DIA. 5), TAPPING
*3-395-891-01	INDIVIDUAL CARTON
*3-396-149-01	CUSHION (F)
*3-396-150-01	CUSHION (R)
*3-704-282-01	BAG (STANDARD), PROTECTION
3-750-930-11	(AEP,E).....MANUAL, INSTRUCTION
3-750-930-21	(US,Canadian)...MANUAL, INSTRUCTION
3-750-930-41	(AEP,E).....MANUAL, INSTRUCTION
3-750-930-51	(AEP,E).....MANUAL, INSTRUCTION

9-955-623-11

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SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

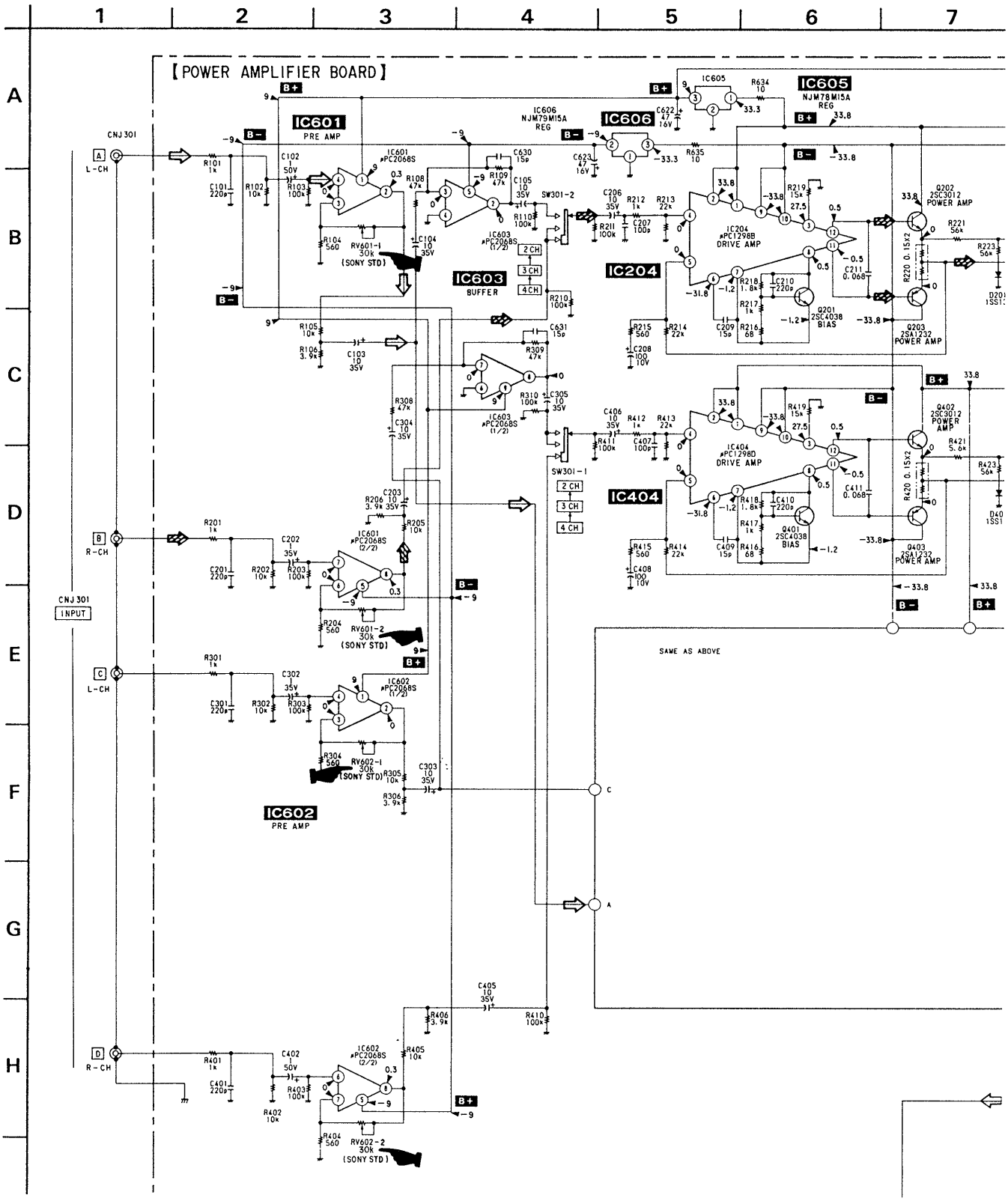
CORRECTION-1

Correct your service manual as shown below.

☛ : indicates corrected portion

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
14	RV601	1-238-826-11	RES, VAR, CARBON 10K (SONY STD)	1-238-880-11 ☛	RES, VAR, CARBON 30K (SONY STD) ☛
	RV602	1-238-826-11	RES, VAR, CARBON 10K (SONY STD)	1-238-880-11 ☛	RES, VAR, CARBON 30K (SONY STD) ☛

2-2. SCHEMATIC DIAGRAM (Service Manual See page 7)



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